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than the rest. The posterior teeth have short, very obtuse crowns with elliptic fore and aft outline. They resemble some forms seen in Pycnodont fishes, and are closely striate to a line on the apex. The upper surface of the cranium is pitted, the frontal and parietal bones, with large, deep, and closely placed concavities. The former is perfectly plane, and the latter is wide. The squamosal arch is also wide, and the crotaphite foramina are large and open. The dermal scuta are very large for the size of the animal, and were not united by suture. They are keelless, and deeply pitted, with smooth margins.

The vertebral centra found with other specimens are round. The coössified neural arches indicate the adult age of the animal.

MEASUREMENTS.

		M.
Height crown premaxillary tooth		.004
Width " " at base		.0035
Long diameter crown of a maxillary		.005
Short " " "		.0035
Width parietal		.009
Width frontal	posterior	.020
	interorbital	.010
Width molar below eye		.008

The variation in the form of the teeth is a slight exaggeration of that seen in the dentition of various species of crocodilians.

Stated Meeting, Oct. 4th, 1872.

Present, 20 members.

Vice-President, Mr. Fraley, in the chair.

A letter, accepting membership, was received from the Rev. S. H. Nichols, dated 415 South Fifteenth Street, Philadelphia, September 26th, 1872.

An engraved portrait of William Smith, D.D., first Provost of the College of Philadelphia, was presented by Mr. Horace W. Smith.

A circular letter, announcing the death of Signor Felice Finzi, dated Firenze, 4th September, 1872, was received from his relatives.

A letter of envoy and acknowledgment (Proc. 81 to 85) was received from the Geological Society of St. Petersburg.

Donations for the library were received from the Revue Politique; the Meteorological Committee of the London R.

S.; London Nature, Old and New; American Academy of Sciences; American Oriental Society; Prof. O. C. Marsh; M. Alph. Loubat; the Franklin Institute; Academy of Natural Sciences; Journal of Pharmacy and Penn Monthly, of Philadelphia, and the Petroleum Monthly.

An obituary notice of Mr. Eckfeldt, by Mr. Dubois, was read by appointment by Mr. Patterson.

The death of Mr. Ralph Ingersoll, of Connecticut, a member of this Society, August 25th, aged 83, was announced by the Secretary.

Mr. Lyman offered for publication in the Transactions, a paper and map of his researches into the geology of the Staley's Creek Coal and Iron region of Virginia, which he described summarily. On motion, they were referred to a committee, consisting of Prof. J. F. Frazer, Mr. Lesley, and Professor P. Frazer, Jr.

Pending nominations, Nos. 697 to 702, were read, and new nominations, Nos. 703 to 705.

On motion, the West Virginia University, at Morgantown, was ordered to be placed on the list of correspondents to receive the Proceedings.

On motion of Mr. Price, it was resolved that the Curators be authorized to deposit the arm-chair, now in posession of the Society, one of those used by members of the Continental Congress, in the Hall of Independence: provided the authorities of the City of Philadelphia will agree, by Ordinance, to return it to the Society, whenever so requested by it.

Dr. Elder asked and received permission to deposit in the Hall of the Society a chair, left in his care by Mr. Washington, who fell at Vicksburg; said chair having been occupied by Judge Bushrod Washington, presiding in the Circuit Court of the United States.

And the meeting was adjourned.